DURGA CHARAN POTUKURU

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SUMMARY:
- Extensive experience as a Software Developer involving all phases of SDLC using Agile and waterfall methodologies in various domains.
- Expertise in MEAN/MERN stack development using Angular, Express.js, ReactJS, Node.js and MongoDB.
- Expertise in building and consuming RESTful web services using NodeJS and ExpressJS, with jwt, cors, Passport.js, Bcrypt, and worked with other packages like debug, mongoose and Socket.io.
- Experience in writing queries and mutations with GraphQL using Node.js.
- Experienced in creating Single page applications using Angular using TypeScript to create Directives, Pipes, Services, Observables, Subject and Router for navigating between different components along with Route Guards to protect routes.
- Experience in developing Web API's using .NET Framework 4.8, and using database first approach with the Entity Framework.
- Experienced in creating customized React.js components, react routes and worked with life-cycle hooks and React Redux architecture and Experienced in Redux Thunk for making asynchronous calls.
- Expertise in using RxJS library for developing asynchronous and event based code using observables, subject and behavior subject.
- Deep understanding of advanced JavaScript concepts, such as Closures, prototypes, Promises and callbacks and the new features of ES6.
- Extensive exposure towards using the Web Content Accessibility Guidelines (WCAG), for making the applications content more accessible and also ADA compliant.
- Developed Responsive Web Design using Bootstrap, CSS Media Queries and used Modernizr to handle cross browser compatibility.
- Hands on experience in connecting and querying No-SQL database like MongoDB 3.0 using Mongoose.
- Experience in creating dynamic data visualizations using D3.js.
- Experience in testing applications using Jasmine, karma, Jest following Test Driven Development.
- Utilized JIRA for Bug tracking, Trello for segregating tasks in sprints.
- Expertise in debugging existing code using Chrome developer tools and test REST APIs using Postman.
- Experience in deploying applications on Heroku and using Jenkins for Continous integration and Continous Deployment.
- Used Waterfall and Agile/Scrum methodologies for SDLC Purposes.

TECHNICAL SKILLS:
Framework/Library: jQuery, AngularJS, Angular, Spring, Spring Boot, ReactJS, VueJS, Node.js.
Package Manager: npm, pip, Gulp, Grunt, webpack.
Version Control: BitBucket, GitHub, Azure DevOps Server/Visual Studio Team Foundation Server.
Continuous Integration & Continuous Deployment: Docker, Jenkins, Kubernetes.
Cloud Services: Amazon Web Services, Microsoft Azure
Project Management Tools: JIRA, Azure DevOps Server/ Visual Studio TFS.
Testing Tools: Jasmine, karma, Jest.
Web Technologies: HTML5, CSS3, LESS, SASS, JavaScript, ES6, TypeScript, Bootstrap, AJAX, XML, JSON.
Databases: MongoDB, RavenDB, MSSQL, Oracale

PROFESSIONAL EXPERIENCE(4+ YEARS):
Strasz Assessment Systems, Princeton, NJ.   **June 2020-Till Date**
Role: Software Engineer
- Responsible for designing and developing web portals using Angular 1/2, Node.js, .Net Core, RavenDB, Bootstrap, HTML5, CSS3.
- Worked with Typescript and ES6 new features like block scope, type restrictions, decorators, arrow functions, classes, interfaces, modules.
- Extensively used Redux architecture for application state management with GraphQL on the server side.
- Created RESTful Web API services using ASP.NET.
- Worked on server-side scripting using Node.js and created Restful API's using ExpressJS.
- Expertise in using RxJS library for developing asynchronous and event-based code using observables, subject and behavior subject.
- Worked on Test Driven Development (TDD) environmentand performed unit testing using Karma and Jasmine.
- Developed Excel spreadsheet experience in the CPA Exam using Grapecity's SpreadJS.

AmeriHealth Caritas, Philadelphia, PA.   **June 2019-June 2020**
Role: Full Stack Developer
- Responsible for designing and developing web portals using Angular 7, ReactJS, Node.js, Bootstrap, HTML5, CSS3.

- Built modules using ReactJS features like Components, Lifecycle methods, unidirectional data flow and implemented Routing using react-router-dom.
- Extensively used Redux architecture for application state management with GraphQL on the server side.
- Worked on server-side scripting using Node.js and created Restful API's using ExpressJS.
- Expertise in using RxJS library for developing asynchronous and event-based code using observables, subject and behavior subject.
- Created custom Signing Workflow, maintained user accounts and templates in Adobe Sign.
- Worked with modules like mongoose for database persistence using Node.js to interact with MongoDB.

Marlabs, Piscataway, NJ.   **Feb 2019-June 2019**
Role: Programmer Analyst
- Responsible for designing and developing web portals using Angular 5, Node.js, Bootstrap, HTML5, CSS3.
- Created responsive designs for devices using Bootstrap and CSS media queries.
- Created RESTful API endpoints using Express.js & Node.js, integrated JWT to authenticate routes, worked with environment variables.
- Worked with PassportJS and JSON web tokens for authentication using Node.js.
- Created schemas, models and wrote queries for MongoDB using Mongoose.

Ramky Enviro Engineers Limited, Hyderabad, India.   **Dec 2015-August 2017**
Role: Programmer & Web Developer
- Implemented MVC architecture using AngularJS, Spring, Hibernate and used Spring Framework 3.0.
- Used AJAX and jQuery to update the components of the customizable interface without refreshing the page.
- Implemented RESTful API services using ExpressJS and asynchronously fetched data from backend to the frontend using $http service.
- Used Bootstrap to make the interface responsive.
- Used MS SQL as database to store and retrieve data.
- Worked with version control tool like Git and used JIRA for project management.

Bharat Sanchar Nigam Limited, Hyderabad, India.   **June 2015**
Inplant Training
- Worked on Operating System structure and essentials, and overview of Windows Servers.
- Hands on experience with Web Designing Utilities and JAVA.
- Got exposure on Networking elements, Basic Router Configuration, Broadband, IP fundamentals and Cyber Security.

Graduate Research Assistant (Northwest Missouri State University).   **Jan 2018-Dec 2018**
- Programmed, created and graded Programming assignments, projects and administered exams.
- Developed an API that automates the evaluation process for few online coding exams based on exam metrics.
- Assisted Supervisor in tutoring Web applications and services to individual and groups of students.

ACADEMIC PROJECTS:
Northwest Theatre Ticket Booking.
- Developed Single Page Application using React, React Router, Redux, Bootstrap 4, Sass, and Webpack.
- Designed and implemented client-side responsive User Interface using HTML5, CSS3, JavaScript, Bootstrap, React JS.
- Created RESTful Services using Express JS and used Node.js for backend.
Conference registration system.
- Developed single page application using Angular, MongoDB, Express, Node.js.
- Created the responsive user interface with HTML5, CSS3, Bootstrap 3.0, and Angular 4.
- Worked on server-side scripting using Node.js and created RESTful API's using Express JS.
- Used JSON web tokens for authentication using Node.js.
Socio Analyzer:
- Performed sentiment analysis stream of tweets related to social movement metoo.
- Retrieved tweets using twitter API for python- Tweepy.
- Cleaned and preprocessed data using Python-re.
- Used python NLTK and TextBlob for Natural Language Processing (NLP) and sentiment calculation respectively with final accuracy of 79 percent.

CERTIFICATIONS/ACHIEVEMENTS:
- Oracle Certified Associate, Java SE7 Programmer.
- Merit for the Technical Paper presentation at Infoquest 2014.
- Organized and volunteered events for Excellence Leadership Academy.
- Organized events for International Association of Neuro Linguistic Psychology.

EDUCATION:
- Master of Science in Applied Computer Science at Northwest Missouri State University.
- Bachelor of Technology in Information Technology at JNTU Hyderabad, India.